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(54) VARIABLE SHAPE REFLECTING MIRROR
AND MANUFACTURING METHOD THEREOF

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a variable shape reflecting mirror, which is formed with a deformable film having uniform stiffness configurable with a method of high productivity, operable even at a comparatively low drive voltage, and provides a high imaging performance, without increasing the number of fixed side electrodes.

SOLUTION: The mirror is provided with a flexible thin film whose periphery is supported by a frame member, a reflective surface arranged on the film and a plurality of conductive electrodes arranged in the film, and electrostatic force is made to act on the reflective surface to vary the shape through the conductive electrode. The conductive electrode is divided circumferentially around the central part of the film, and also divided in

a radial direction. The number of in the circumferential divisions in an external periphery is increased than that of the circumferential ones in the central part.

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